



## Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. This Standard must be consulted for specific requirements.

## U.S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

IDENTITY (As Used on Label and List)  <b>MAPP GAS</b>	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
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### Section I

Manufacturer's Name <b>BernzOmatic</b>	Emergency Telephone Number <b>800-424-9300</b>
Address (Number, Street, City, State, and ZIP Code)  <b>One BernzOmatic Drive</b>	Telephone Number for Information <b>800-654-9011</b>
<b>Medina, NY 14103</b>	Date Prepared <b>June 11, 2011</b>
	Signature of Preparer (optional)

### Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	US OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Liquefied Petroleum Gas w/ Methylacetylene	N/A	N/A	N/A	
Liquefied Petroleum Gas (CAS No. 68476-85-7)	1000ppm			56.0%
Methyl Acetylene-Propadiene (CAS No. 56960-91-9)	1000ppm			44.0%
NFPA HAZARD RATINGS Health - 2 Flammability - 4 Reactivity - 2			HMIS RATINGS Health - 0 Flammability - 4 Reactivity - 2	

### Notes:

### Section III - Physical/Chemical Characteristics

Boiling Point:	-54° F to -10° F	Specific Gravity (H <sub>2</sub> O = 1):	0.571
Vapor Pressure (mm Hg.):	@ 70° F      97 psig	Melting Point:	N/A
Vapor Density (AIR = 1):	1.48	Evaporation Rate (Butyl Acetate = 1):	N/A
Solubility in Water: Slight.			
Appearance and Odor (At Normal Conditions): Colorless - unpleasant odor at approx. 110ppm			



#### Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used): Closed Cup -144° F	Flammable Limits: In air by volume	LEL 3.0	UEL 11.0
Extinguishing Media: Eliminate oxygen source or stop flow of gas. Use water to cool cylinder. Dry chemical or CO <sub>2</sub> to reduce oxygen.			
Special Fire Fighting Procedures: Cool cylinders with water. Keep personnel away.			
Unusual Fire and Explosion Hazards: Auto ignition temperature 850 ° F. Keep ignition sources away from cylinder and continue to cool cylinder until gas flow is shut off. Escaping gas from cylinder may be ignited.			

#### Section V - Reactivity Data

Stability:	Unstable		Conditions to Avoid:
	Stable	X	Do not expose to temperatures about 125° F.
Incompatibility ( <i>Materials to Avoid</i> ): Extremely flammable. Avoid uncontrolled contact with oxidizers.			
Hazardous Decomposition or Byproducts: N/A			
Hazardous Polymerization:	May Occur		Conditions to Avoid:
	Will Not Occur	X	N/A

#### Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? YES	Skin? YES	Ingestion? UNLIKELY
Health Hazards ( <i>Acute and Chronic</i> ): Asphyxiant. May reduce oxygen required for breathing. Liquid gas may freeze skin.			
Carcinogenicity:	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? NO
Signs and Symptoms of Exposure: Dizziness to unconsciousness if high concentrations of gas replace oxygen for breathing.			
Medical Conditions Generally Aggravated by Exposure: N/A			
Emergency and First Aid Procedures: Remove person to fresh air. If unconscious, seek medical attention.			
Warning: This fuel, and by-products of combustion of this fuel, contain chemicals known to the State of California to cause cancer, birth defects, and other reproductive harm.			



## Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled:	Remove all ignition sources. Ventilate area.
Waste Disposal Method:	Vent to atmosphere in outdoor area free of all sources of ignition.
Precautions to Be taken in Handling and Storing:	Store in well-ventilated area away from ignition sources. Store at temperatures below 125° F. Store out of direct sunlight.
Other Precautions:	N/A

## Section VIII - Control Measures

Respiratory Protection ( <i>Specify Type</i> ):	Not required with normal use.	
Ventilation:	Local Exhaust – Advisable when welding. Mechanical (General) – N/A Special – N/A Other – N/A	
Protective Gloves:	Advisable when welding.	Eye Protection: Use filter shade No. 4 or darker when welding.
Other Protective Clothing or Equipment:	N/A	
Work/Hygienic Practices:	N/A	

## Section IX - Special Precautions

Precautions to be taken in Handling and Storing:	None
Other Precautions:	None

## Section X – Transportation Information

WHMIS Classification:	A – Compressed Gas & B1 – Flammable Gas
Class:	2.1
Proper Shipping Name:	Methyl Acetylene and Propadiene Mixtures. Stabilized.
Hazard Classification:	Flammable Gas
UN Number:	1060



## Section XI – Additional Information

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